

217/782-2113

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT -- REVISED

PERMITTEE

Ingersoll Milling Machine
Attn: Robert Leach
707 Fulton Avenue
Rockford, IL 61103

Application No.: 73010609

I.D. No.: 201030ACI

Applicant's Designation:

Date Received: December 18, 2000

Subject: Tool Manufacture

Date Issued: March 14, 2001

Expiration Date: January 30, 2003

Location: 707 Fulton Avenue, Rockford

This permit is hereby granted to the above-designated Permittee to OPERATE emission source(s) and/or air pollution control equipment consisting of one paint booth with filters, two boilers, and one endothermic generator, pursuant to the above-referenced application. This Permit is subject to standard conditions attached hereto and the following special condition(s):

- 1a. This federally enforceable state operating permit is issued to limit the emissions of volatile organic material (VOM) from the source to less than major source thresholds, as further described in Attachment A. As a result, the source is excluded from the requirement to obtain a Clean Air Act Permit Program (CAAPP) permit.
- b. Prior to issuance, a draft of this permit has undergone a public notice and comment period.
- c. This permit supersedes all operating permits for this location.
- 2a. Operation of paint booth shall not exceed the following limits:

<u>Material</u>	<u>VOM Consumption</u>		<u>Total VOM Emissions</u>	
	<u>(Gal/Mo)</u>	<u>(Gal/Yr)</u>	<u>(Ton/Mo)</u>	<u>(Ton/Yr)</u>
Miscellaneous Organic Material Including Coatings and Solvents	8,000	50,000	15.0	88.2

- b. These limits define the potential emissions of the paint booth and are based on maximum operation and material balance.
- c. Compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months.
- d. Pursuant to 35 Ill. Adm. Code 215.204(j), all coatings as applied shall not exceed 3.5 lbs VOC/gal.

3. Operation of the two Cleaver Brooks boilers shall not exceed the following limits:

Natural Gas Usage: 200,000 therms/month and 1,500,000 therms/year

Emissions from the two boilers:

<u>(Ton/Mo)</u>		<u>(Ton/Yr)</u>	
1.0	NO _x	7.5	NO _x
0.84	CO	6.3	CO
0.08	PM	0.57	PM
0.055	VOM	0.41	VOM

- b. These limits define the potential emissions of the Cleaver Brooks boilers and are based on maximum operation and standard emission factors.
- c. Compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months.
- 4a. Operation of the endothermic generator shall not exceed the following limits:

Natural Gas Usage: 3944 therms/month and 46,428 therms/year

Emissions from the endothermic generator:

<u>(Lb/Mo)</u>		<u>(Ton/Yr)</u>	
39.44	NO _x	0.2321	NO _x
157.76	CO	0.9286	CO
22.88	VOM	0.1346	VOM

- b. These limits define the potential emissions of the endothermic generator and are based on maximum operation and standard emission factors.
- c. Compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months.
5. The emissions of HAPs as listed in Section 112(b) of the Clean Air Act shall not equal or exceed 10 tons per year of any single HAP or 25 tons per year of any combination of such HAPs, or such lesser quantity as USEPA may establish in rule which would require the Permittee to obtain a Clean Air Act Permit Program permit from the Illinois EPA. As a result of this condition, this permit is issued based on the emissions of any HAP from this source not triggering the requirement to obtain a Clean Air Act Permit Program permit from the Illinois EPA.

- 6a. Within 30 days of a written request from the Illinois EPA the Permittee shall submit data on the volatile organic material content of representative coatings as applied, determined by laboratory analysis in accordance with the 35 Ill. Adm. Code Section 218.105.
 - b. The submitted data shall include the VOM content of the coatings, a justification of why these are representative, and a description of the sampling procedures and documentation for the analysis.
 - c. The Illinois EPA may provide additional time for the performance of this testing upon request from the Permittee which shows that it is not feasible to perform representative testing within 30 days.
- 7a. The Permittee shall maintain records of the following items:
- i. Individual coating usage, solvent cleaner usage, and other miscellaneous organic materials usage in gallons per month and year.
 - ii. VOM content of each coating, solvent and miscellaneous organic materials used in pounds per gallon.
 - iii. Natural gas usage in therms per month and therms per year for the 2 Cleaver Brooks boilers.
 - iv. Natural gas usage in therms per month and therms per year for the endothermic generator.
- b. All records and logs required by this permit shall be retained at a readily accessible location at the source for at least three years from the date of entry and shall be made available for inspection and copying by the Illinois EPA and USEPA upon request. Any records retained in an electronic format (e.g., computer) shall be capable of being retrieved and printed on paper during normal source office hours so as to be able to respond to an Illinois EPA request for records during the course of a source inspection.
- 8a. If there is an exceedance of the requirements of this permit as determined by the records required by this permit, the Permittee shall submit a report to the Illinois EPA's Compliance Unit in Springfield, Illinois within 30 days after the exceedance. The report shall include the emissions released in accordance with the recordkeeping requirements, a copy of the relevant records, and a description of the exceedance or violation and efforts to reduce emissions and future occurrences.
- b. All reports (notification, tests, reports, etc.) shall be sent to:
- Illinois Environmental Protection Agency
Division of Air Pollution Control
Compliance Section (#40)
P.O. Box 19276
Springfield, Illinois 62794-9276

and

Illinois Environmental Protection Agency
Division of Air Pollution Control - Regional Office
5415 North University
Peoria, Illinois 61614

9. The Permittee shall submit the following additional information with the Annual Emissions Report, due May 1st of each year: Coating usage and VOM content of each coating used for the prior year. If there have been no exceedances during the prior calendar year, the Annual Emission Report shall include a statement to that effect.

Please note that the following equipment is exempt from permit requirements, pursuant to 35 Ill. Adm. Code 201.146(aa):

	<u>Equipment</u>
Plasma Cutter	Slot Grinding
Welding	Roto Blast
Rotary Grinder	Zero Bead Blast
Pattern Shop	Shot Blast

Also note that this permit is revised to no longer include 3 heat-treat furnaces, 1 stress relief furnace, and one quench tank.

If you have any questions on this, please call John Blazis at 217/782-2113.

Donald E. Sutton, P.E.
Manager, Permit Section
Division of Air Pollution Control

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cc: Illinois EPA, FOS Region 2
Illinois EPA, Compliance Section
Lotus Notes

Attachment A - Emissions Summary

This attachment provides a summary of the maximum emissions from the tool manufacturing plant operating in compliance with the requirements of this federally enforceable permit. In preparing this summary, the Illinois EPA used the annual operating scenario which results in maximum emissions from such a plant. This is the net consumption of 50,000 gallons of miscellaneous materials including coatings, solvents and thinners and the use of 1,500,000 therms of natural gas. The resulting maximum emissions are well below the levels, e.g., (100 tons per year of VOM) at which this source would be considered a major source for purposes of the Clean Air Act Permit Program. Actual emissions from this source will be less than predicted in this summary to the extent that less material is handled, and control measures are more effective than required in this permit.

1. Emissions from the paint booth.

<u>Material</u>	<u>VOM Consumption</u>		<u>Total VOM Emissions</u>	
	<u>(Gal/Mo)</u>	<u>(Gal/Yr)</u>	<u>(Ton/Mo)</u>	<u>(Ton/Yr)</u>
Miscellaneous Organic Material Including Coatings and Solvents	8,000	50,000	15.0	88.2

This table defines the potential emissions from the paint booth. These totals were determined by maximum operation and material balance.

2. Emissions from the 2 Cleaver Brooks boilers.

<u>Natural Gas Usage</u>	<u>Firing Rate</u>	<u>Emission Factors</u>		<u>Total Emissions</u>	
<u>Therms</u>	<u>(mmBtu/Hr)</u>	<u>(Lb/mmScf)</u>		<u>(Ton/Year)</u>	
200,000/month	25.106	100	NO _x	7.5	NO _x
1,500,000/year	8.369	84	CO	6.3	CO
		7.6	PM	0.57	PM
		5.5	VOM	0.41	VOM

1 Therm = 100,000 Btu

This table defines the potential emissions from the two boilers. These totals were determined by maximum operation and standard emission factors.

3. Emissions from the endothermic generator.

<u>Natural Gas Usage</u>	<u>Firing Rate</u>	<u>Emission Factors</u>		<u>Total Emissions</u>	
<u>Therms</u>	<u>(mmBtu/Hr)</u>	<u>(Lb/mmBtu)</u>		<u>(Ton/Year)</u>	
3,944/month	0.53	0.100	NO _x	0.2321	NO _x
46,428/year		0.40	CO	0.9286	CO
		0.058	VOM	0.1346	VOM

This table defines the potential emissions from the endothermic generator. These totals were determined by maximum operation and standard emission factors and engineering judgment.

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